

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US2004/036076

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08G61/02 C09K11/06 C07C25/22 C07F5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C08G H01B H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal. CHEM ABS Data. WPI Data. PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 514 632 B1 (WOO EDMUND P ET AL) 4 February 2003 (2003-02-04) column 3, line 39 - line 52 column 17, line 64 - column 18, line 23 column 26, line 9 - line 44 column 45; table 2 column 47, line 5 - line 10 claim 1 ----- 	1-3,5-7, 9-12
X	US 6 309 763 B1 (WOO EDMUND P ET AL) 30 October 2001 (2001-10-30) column 2, line 66 - column 3, line 2 column 5, line 57 - column 6, line 59 column 14, line 1 - line 10 ----- 	1-3,5-12
A	US 6 512 083 B1 (WOO EDMUND P ET AL) 28 January 2003 (2003-01-28) the whole document ----- 	1-12

X Further documents are listed in the continuation of box C.

X Patent family members are listed in annex.

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- O• document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search

Date of mailing of the international search report

12 May 2005

20/05/2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/036076**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 983 482 A (ONG ET AL) 8 January 1991 (1991-01-08) the whole document -----	7-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/036076

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6514632	B1	04-02-2003	US	6169163 B1	02-01-2001
			US	5708130 A	13-01-1998
			US	6309763 B1	30-10-2001
			US	6255449 B1	03-07-2001
			US	6512083 B1	28-01-2003
			US	6362310 B1	26-03-2002
			US	2001026878 A1	04-10-2001
			CN	1376658 A	30-10-2002
			CN	1192223 A	02-09-1998
			DE	69608446 D1	21-06-2000
			DE	69608446 T2	25-01-2001
			EP	0842208 A1	20-05-1998
			JP	11510535 T	14-09-1999
			TW	384295 B	11-03-2000
			WO	9705184 A1	13-02-1997
			US	6255447 B1	03-07-2001
			US	2003208032 A1	06-11-2003
			US	2001053842 A1	20-12-2001
			US	5962631 A	05-10-1999
-----	-----	-----	-----	-----	-----
US 6309763	B1	30-10-2001	US	6169163 B1	02-01-2001
			CA	2294485 A1	28-10-1999
			CN	1263542 A	16-08-2000
			DE	69908522 D1	10-07-2003
			DE	69908522 T2	15-04-2004
			EP	0988337 A1	29-03-2000
			JP	2002506481 T	26-02-2002
			WO	9954385 A1	28-10-1999
			US	2001026878 A1	04-10-2001
			US	6255449 B1	03-07-2001
			US	6512083 B1	28-01-2003
			US	6362310 B1	26-03-2002
			US	6514632 B1	04-02-2003
-----	-----	-----	-----	-----	-----
US 6512083	B1	28-01-2003	US	6169163 B1	02-01-2001
			US	5708130 A	13-01-1998
			US	2003208032 A1	06-11-2003
			US	6309763 B1	30-10-2001
			US	6255449 B1	03-07-2001
			US	6362310 B1	26-03-2002
			US	6514632 B1	04-02-2003
			US	2001026878 A1	04-10-2001
			CN	1376658 A	30-10-2002
			CN	1192223 A	02-09-1998
			DE	69608446 D1	21-06-2000
			DE	69608446 T2	25-01-2001
			EP	0842208 A1	20-05-1998
			JP	11510535 T	14-09-1999
			TW	384295 B	11-03-2000
			WO	9705184 A1	13-02-1997
			US	6255447 B1	03-07-2001
			US	2001053842 A1	20-12-2001
			US	5962631 A	05-10-1999
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US 4983482	A	08-01-1991	NONE		
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